

Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Listing of Claims:

1. - 14. (Canceled)

15. (Currently Amended) A computer system comprising:

a storage system having a plurality of logical units defined, ~~and having a management~~ ~~wherein one of said logical units is a control-dedicated logical unit serving~~ as a command device dedicated for coupling operation control for controlling coupling operations ~~between the plurality of~~ ~~for the plurality of~~ logical units;

a first host computer adapter of a host computer that ~~can~~ is configured to access a first group of first logical units of said plurality of logical units and that cannot access a second group of second logical units of said plurality of logical units;

a second host computer adapter that ~~can~~ is configured to access said second group of second logical units, but that cannot access said first group of first logical units;

wherein ~~said management~~ control-dedicated logical unit is used to couple one of ~~carry out the coupling operations on one or more of~~ said plurality of logical units

~~with another one of said logical units in response to an instruction for the coupling operations received from one of said host computer adapters,~~

wherein said first host computer adapter can command carrying out of the coupling operations on of two ~~one of said first~~ logical units in said first group of first logical units by ~~using said management-writing control data to the control-dedicated logical unit, and cannot command~~ carrying out of the coupling operations on any of said of two ~~second~~ logical units in said second group of second logical units;

wherein the second host computer adapter can command carrying out of the coupling operations on of two ~~one of said second~~ logical units in said second group of second logical units by ~~using said management-writing control data to the control-dedicated logical unit, but cannot command~~ carrying out of the coupling operations on any of said first of two logical units in said first group of first logical units; and

an application included on said host for issuing the instruction for the coupling operations among ~~directed to one of~~ said plurality of logical units, said application capable of issuing the instruction for the coupling operations to said ~~management control-dedicated~~ logical unit;

wherein the storage system adds extended logical unit numbers used in coupling to a response sent by the storage system as a reply to ~~of~~ an inquiry command received from said host directed to a specified logical unit of said plurality of logical units, each said extended logical unit number including a connection port,

a target ID, and
a logical unit number;
whereby the application obtains a list of extended logical unit numbers
corresponding to logical units of said plurality of logical units accessible by the host
out of said plurality of logical units;
wherein the application rejects a request of a coupling operation directed to
logical units of said plurality of logical units other than said logical units
corresponding to the extended logical unit numbers on the list, thereby inhibiting
coupling operations directed to any logical units of said plurality of logical units not
accessible by the host.

16. (Currently Amended) The computer system of claim 15 wherein
said coupling operations are for enabling copying of one of said logical units of
said plurality of logical units.

17. (Currently Amended) The computer system of claim 15 wherein
the management-control-dedicated logical unit is shared between a plurality of
ports on the storage system.

18. (Currently Amended) The computer system of claim 15 wherein

said host is capable of issuing the instruction for the coupling operations only via the application.

19. (Currently Amended) The computer system of claim 18 wherein the instruction for the coupling operations is written into the management control-dedicated logical unit as the control data, and the storage system processes the control data written into the management control-dedicated logical unit for performing the coupling operations.

20. (Currently Amended) A method for controlling coupling operations of logical units, wherein a storage system includes a plurality of said logical units, wherein one logical unit of said plurality of logical units is a and further includes a management control-dedicated logical unit functioning as a command device which is a dedicated logical unit of said plurality of logical units used for controlling the coupling operations on between the plurality of logical units, wherein a host computer is able to issue instructions for the coupling operations directed to first logical units of said plurality of logical units through said command device, and not able to issue instructions for the coupling operations directed to second logical units of said plurality of logical units, said host including an application for controlling the coupling operations of directed to said first logical units, said application controlling the issuance of the instructions for

the coupling operations to said command device from said host, said method comprising:

adding, by the storage system, extended logical unit numbers used in the coupling operations to a response of an inquiry command from said host to a specified logical unit of said plurality of logical units, each said extended logical unit number including a connection port, a target ID, and a logical unit number;

obtaining, by the application, a list of the extended logical unit numbers corresponding to said first logical units accessible by the host;

rejecting, by the application, a request of a coupling operation by the host directed to logical units of said plurality of logical units other than the first logical units corresponding to the extended logical unit numbers on the list, thereby inhibiting coupling operations directed to any logical units of said plurality of logical units not accessible by the host.

21. (Currently Amended) The method of claim 20 further including the steps of issuing the instructions for athe coupling operations by the host for directing coupling ~~of~~to be performed on one of the first logical units ~~to another of the first logical units~~; and

receiving by the command device the instructions issued from the host as control data stored to the command device.

22 (Currently Amended) The method of claim 21 further including the step of issuing the instructions for the coupling operations only via the application.

23. (Currently Amended) The method of claim 21 further including the step of carrying out the coupling operations, by the storage system, on the one of said first logical units according to the instructions received by in the command device from the host.

24. (Currently Amended) A computer system comprising:

a storage system having a plurality of logical units, and having a management control-dedicated logical unit that functions as a command device that is a logical unit of the plurality of logical units dedicated for coupling control for controlling coupling operations between logical units of carried out on said plurality of logical units, said command device being capable of configured for receiving instructions for a the coupling operations written into the command device as control data;

a host computer that is able configured to access first logical units of said plurality of logical units, and that is not able to access second logical units of said plurality of logical units; and

an application included on said host for controlling the coupling operations of directed to said first logical units, said application issuing the instructions for the coupling operations to said command device,

wherein the storage system adds extended logical unit information used in the coupling operations to a response sent by the storage system to the host as a reply to an inquiry command from said host to a specified logical unit of said plurality of logical units,

whereby the application obtains a list of the extended logical unit information corresponding to said first logical units accessible by the host out of said plurality of logical units, said extended logical unit information including a connection port, a target ID, and a logical unit number,

wherein the application rejects a request of a the coupling operations from the host directed to logical units of said plurality of logical units other than said first logical units corresponding to the extended logical unit information on the list, thereby inhibiting the coupling operations directed to any logical units of said plurality of logical units not accessible by the host,

wherein the application writes the instructions for the coupling operations to the command device if the instructions are directed to said first logical units corresponding to the extended logical unit information on the list,

wherein the storage system processes the coupling operations in accordance with the instructions written to the command device for executing the coupling operations on one of the first logical units to another one of the first logical units.

25. (Currently Amended) The computer system of claim 24 wherein
said coupling operations are for enabling copying of one of said first logical
units.

26. (Currently Amended) The computer system of claim 24 wherein
the command device is shared between a plurality of ports on the storage
system.

27. (Currently Amended) The computer system of claim 24 wherein
said host is capable of issuing the instructions for the coupling operations only
via the application.

28. (Currently Amended) The computer system of claim 24 wherein
the command device is a shared logical unit of said plurality of logical units
used exclusively for communication with the host computer for controlling the
coupling operations between directed to said plurality of logical units.

29. (Canceled)